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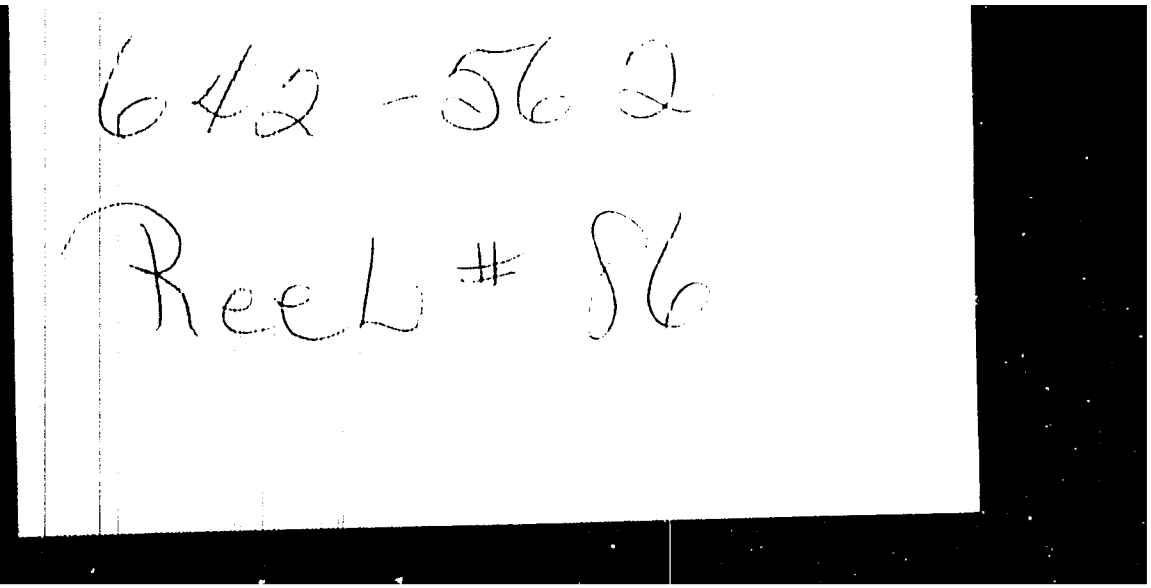


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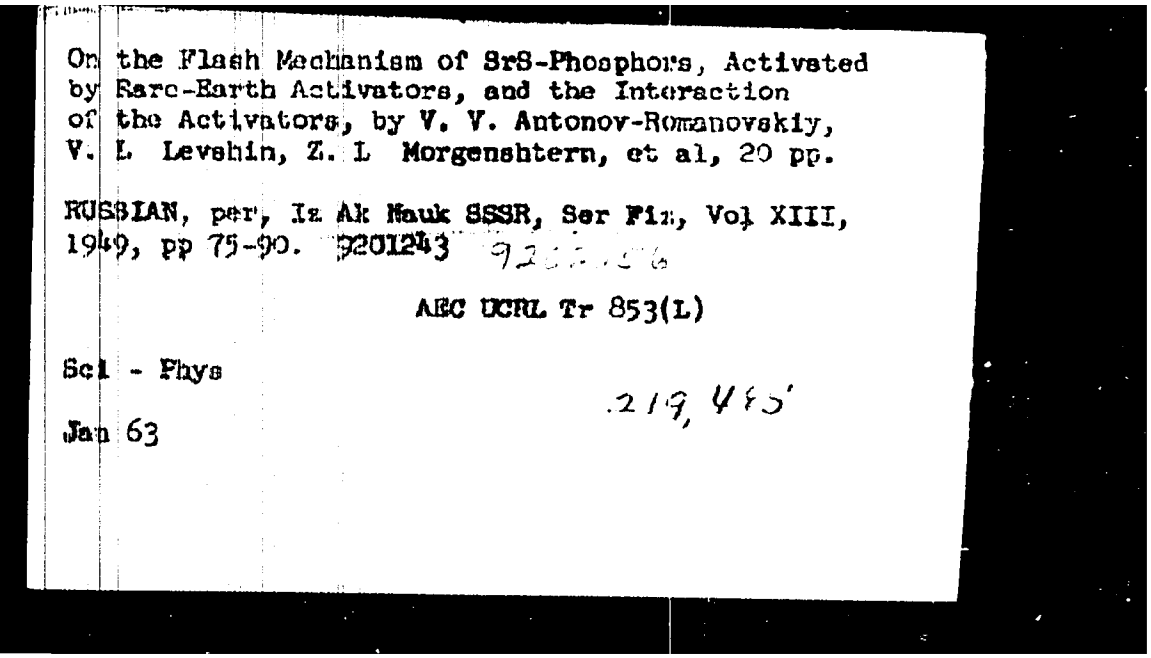

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By Katz

Navy Tr /NRL 275

PA 36/49T85

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Project# 9270

ST-295

Luminescence Analysis of Optical Glasses

Ye. M. Brimberg
Z. M. Sverdlov
T. V. Timofeyev

SR Date: 19 June '51

full translatio
U-report

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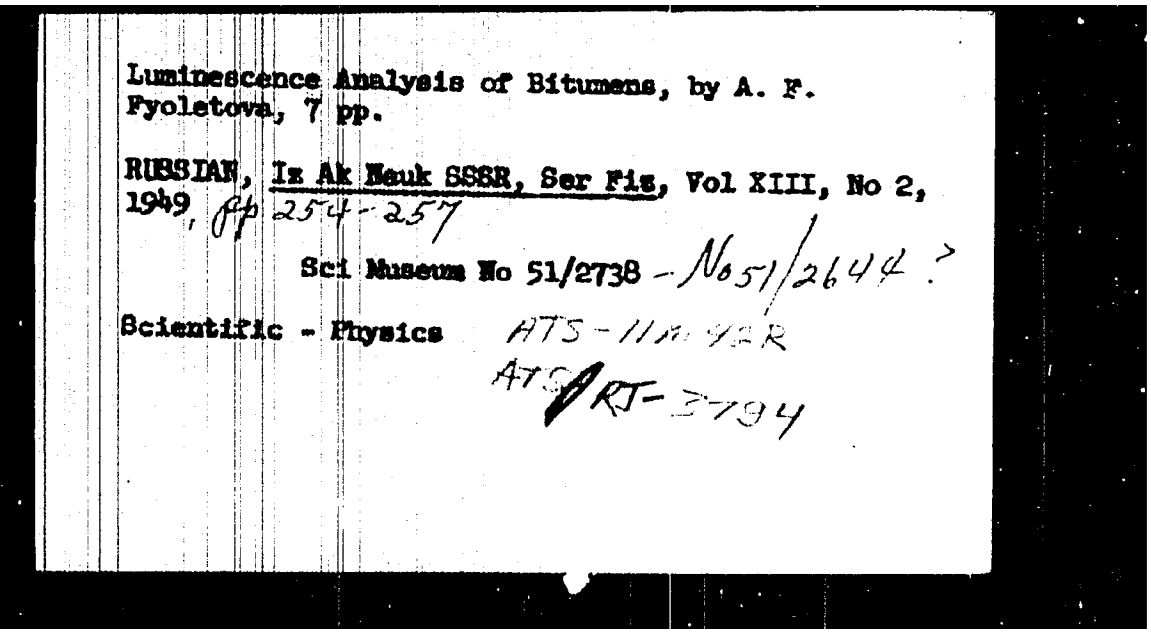

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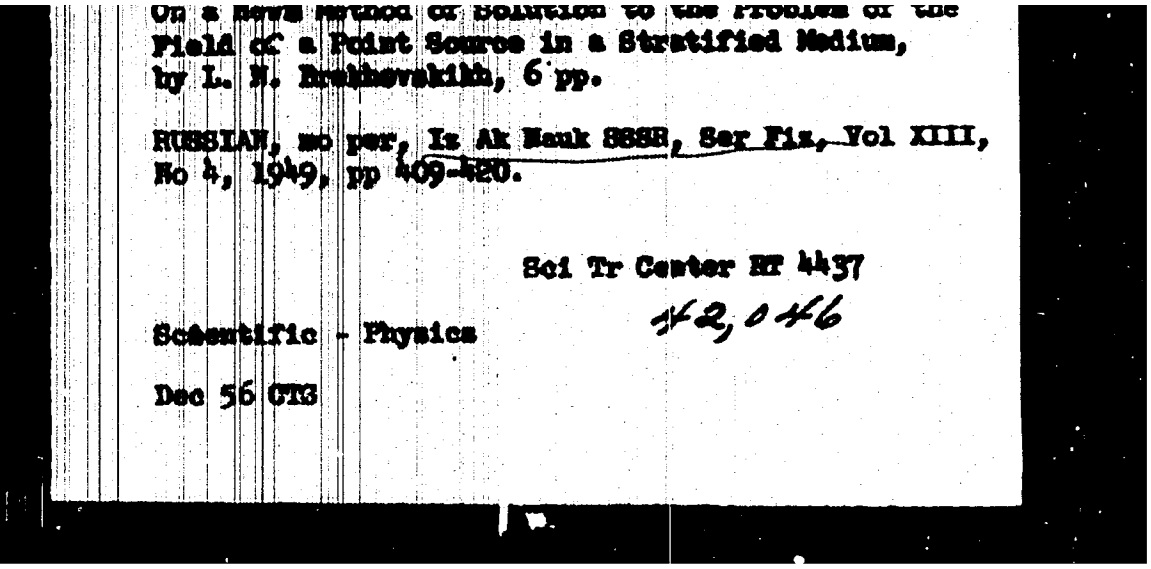

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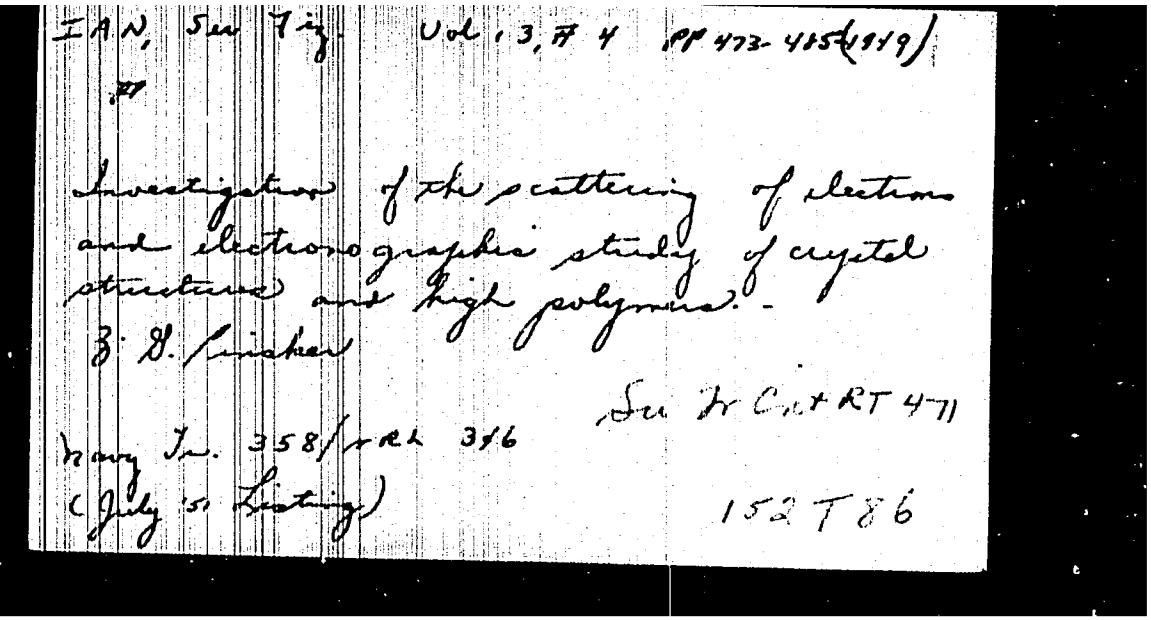

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B. V. Kurchatov

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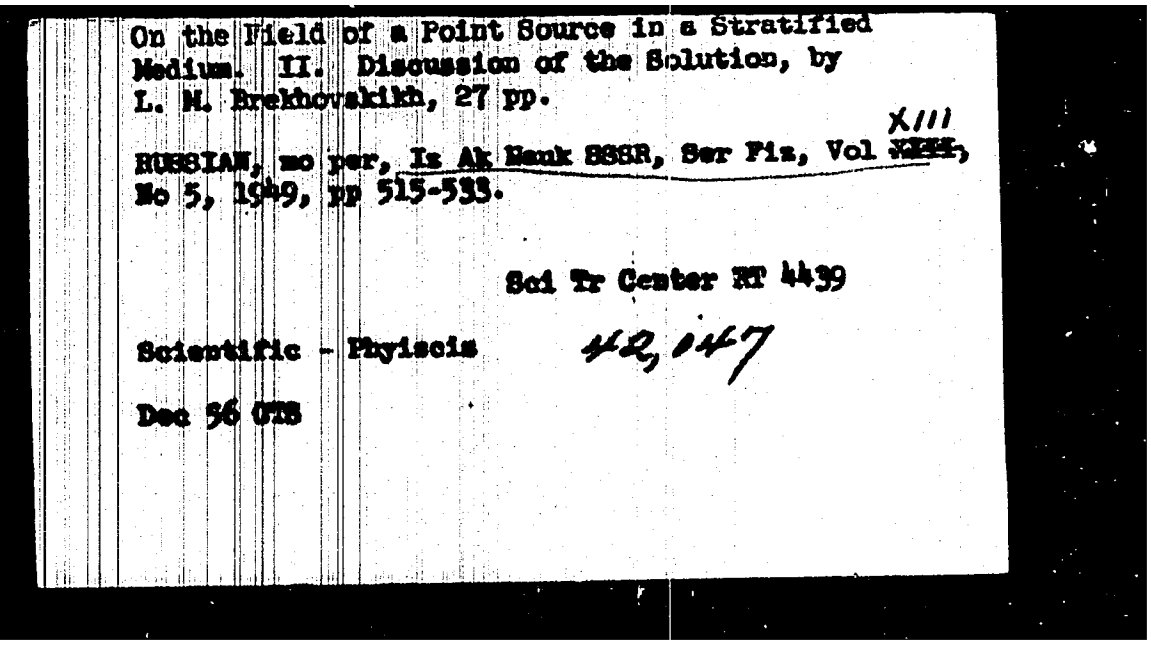

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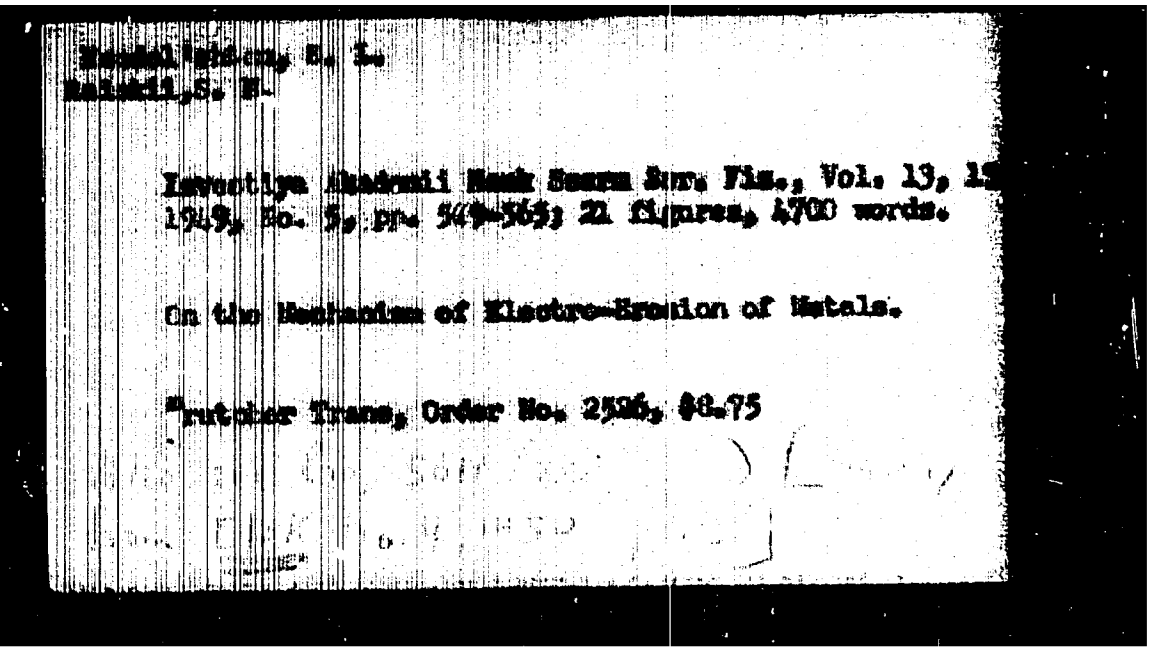

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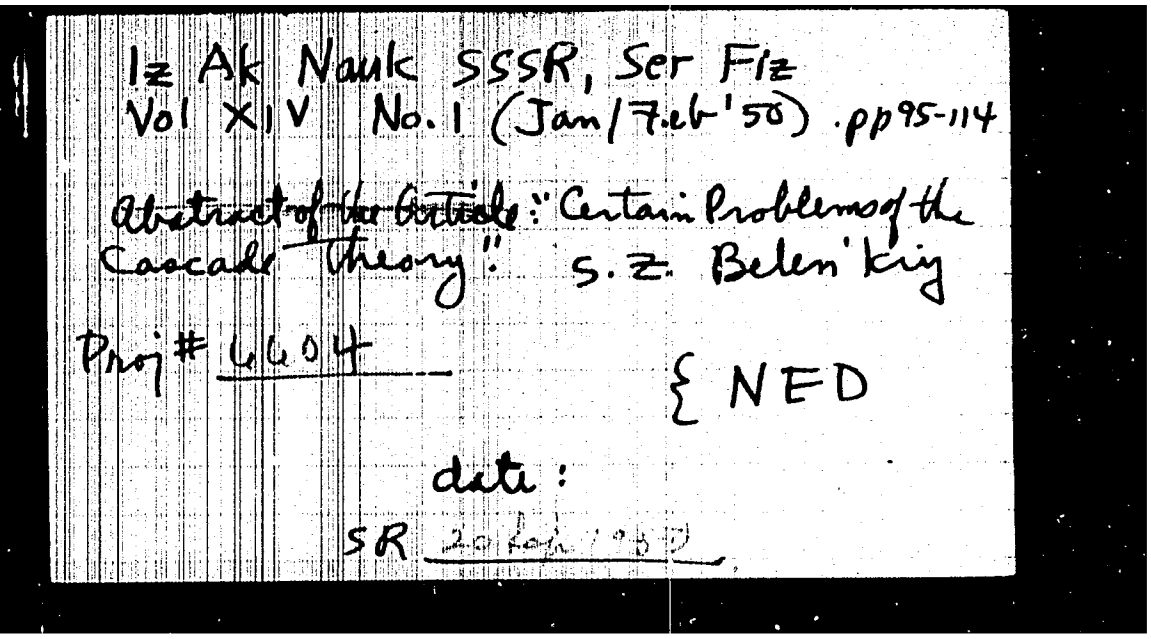

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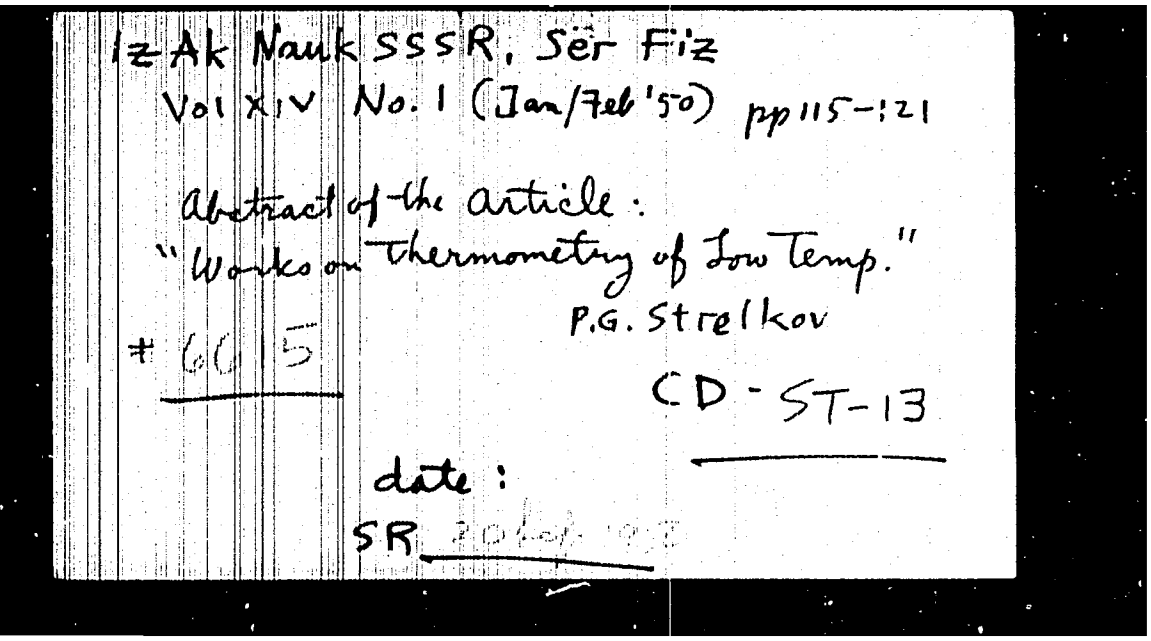

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P.G. Strelkov

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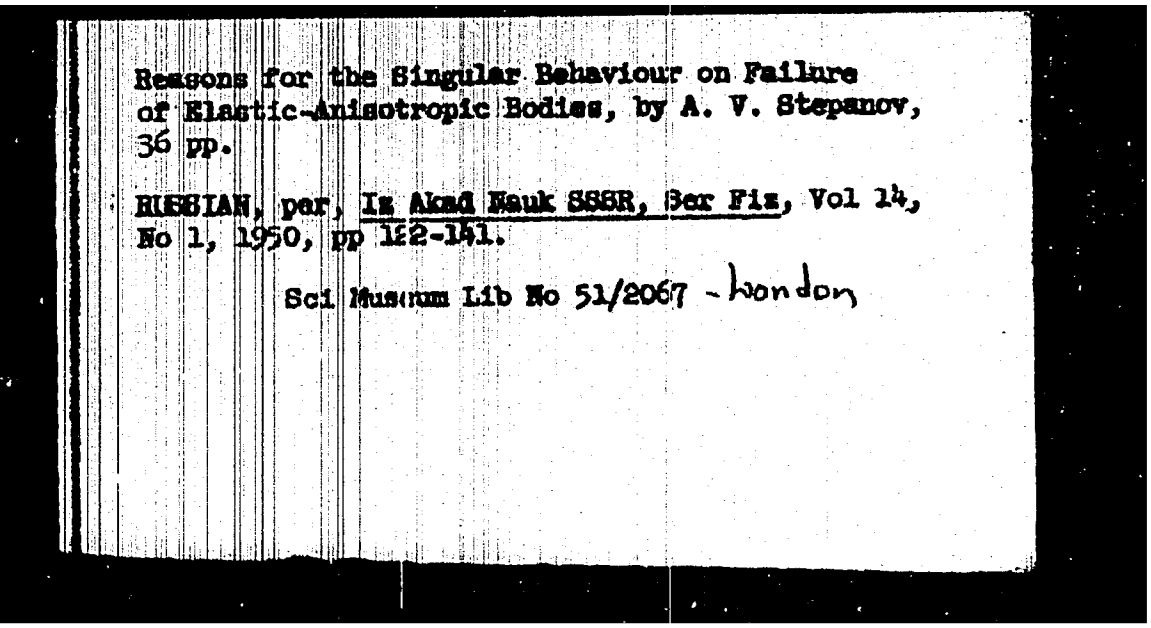

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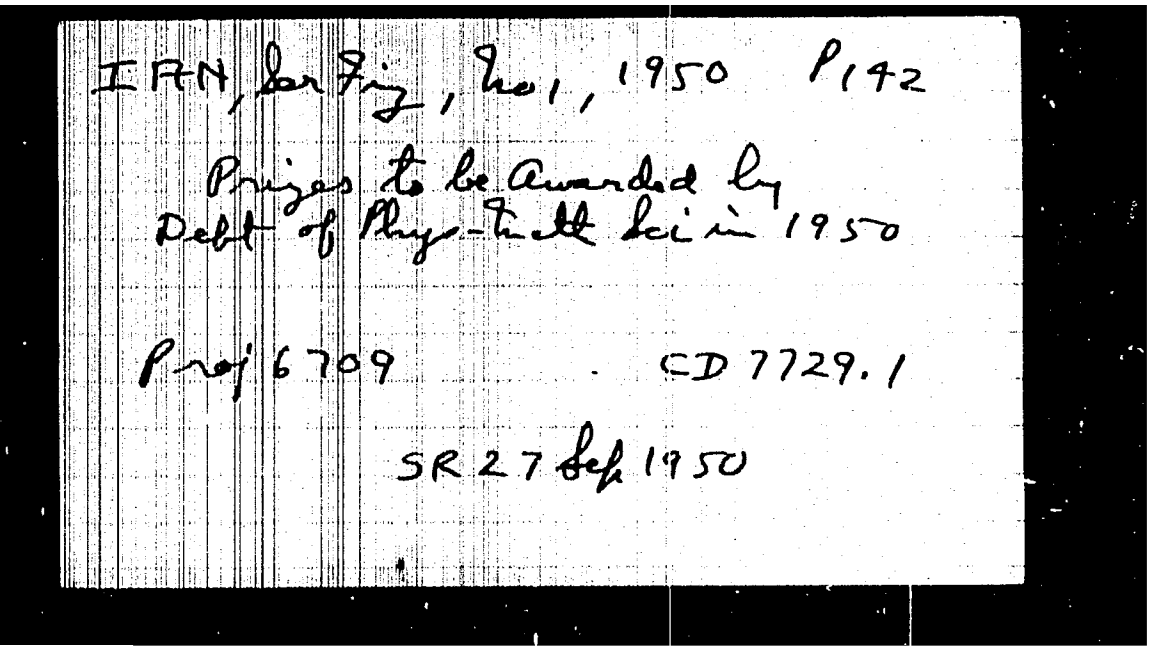


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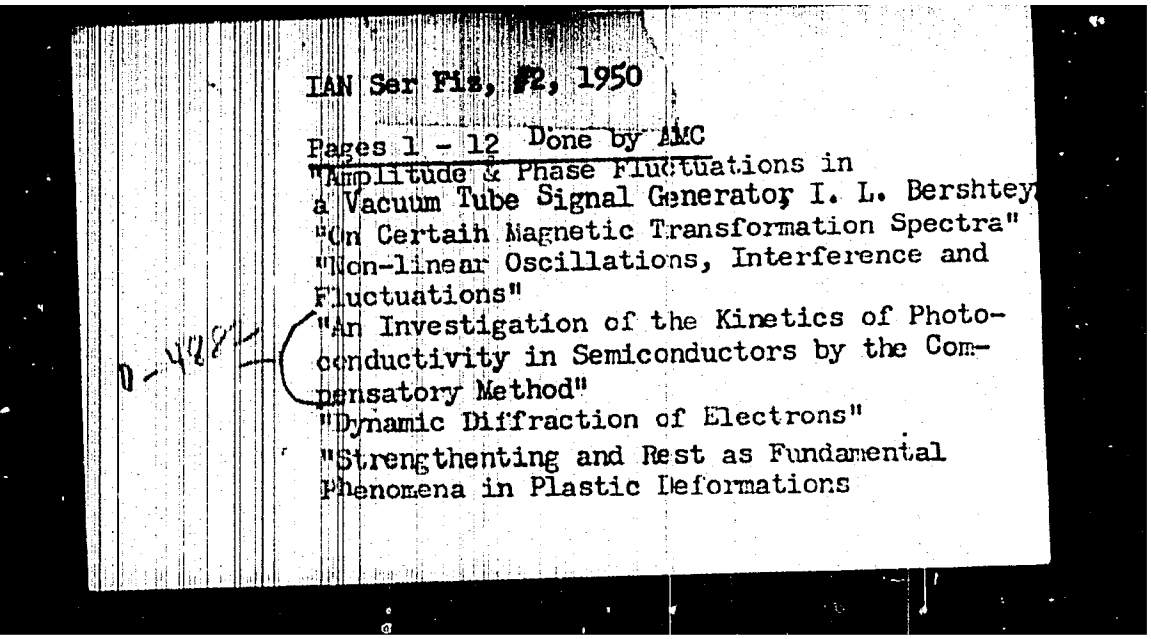

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"Dynamic Diffraction of Electrons"

"Strengthenting and Rest as Fundamental Phenomena in Plastic Deformations

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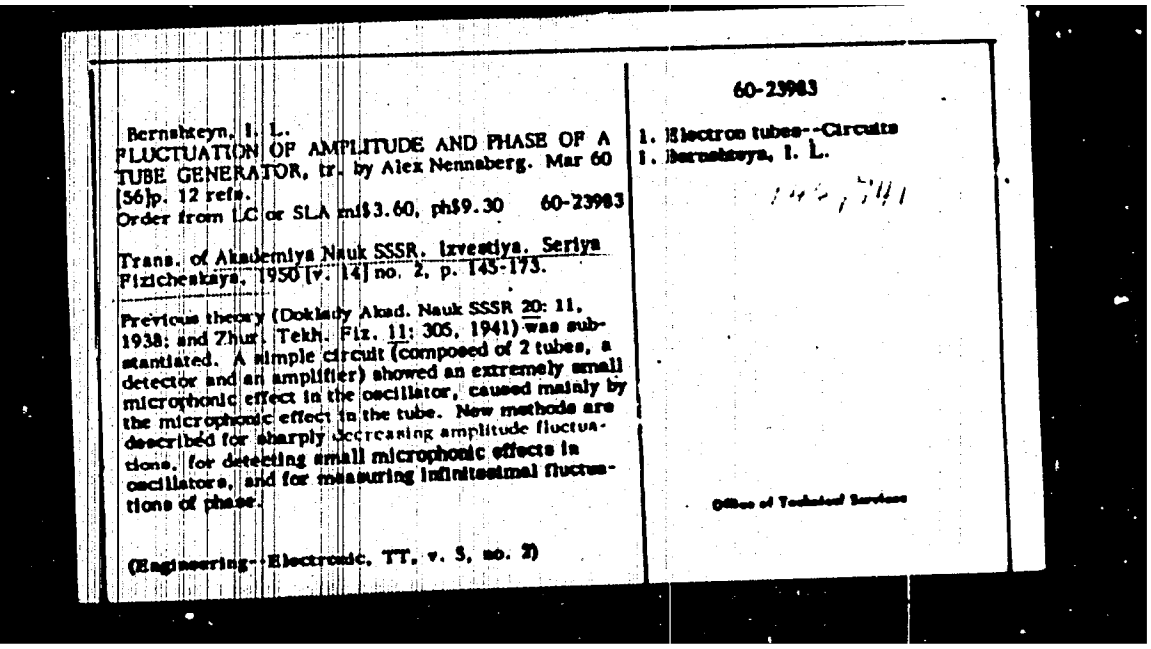

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FLUCTUATION OF AMPLITUDE AND PHASE OF A TUBE GENERATOR, tr. by Alex Nennaberg. Mar 60 [56]p. 12 refs.
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Previous theory (Doklady Akad. Nauk SSSR 20: 11, 1938; and Zhur. Tekh. Fiz. 11: 305, 1941) was substantiated. A simple circuit (composed of 2 tubes, a detector and an amplifier) showed an extremely small microphonic effect in the oscillator, caused mainly by the microphonic effect in the tube. New methods are described for sharply decreasing amplitude fluctuations, for detecting small microphonic effects in oscillators, and for measuring infinitesimal fluctuations of phase.

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1. Bernshteyn, I. L.

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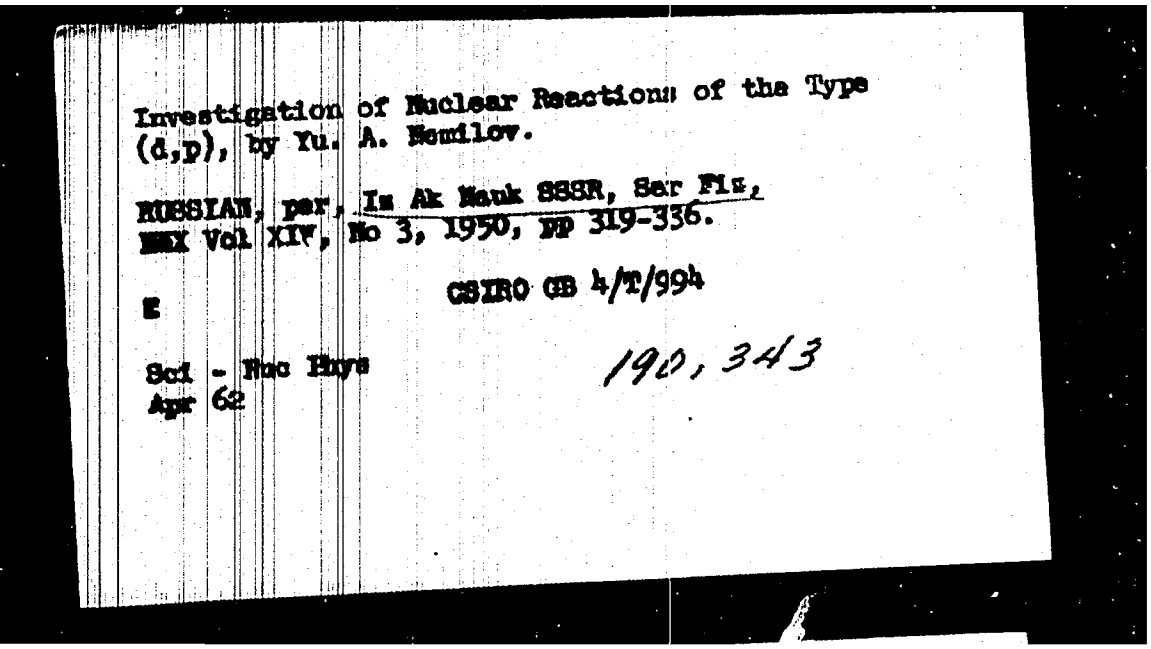

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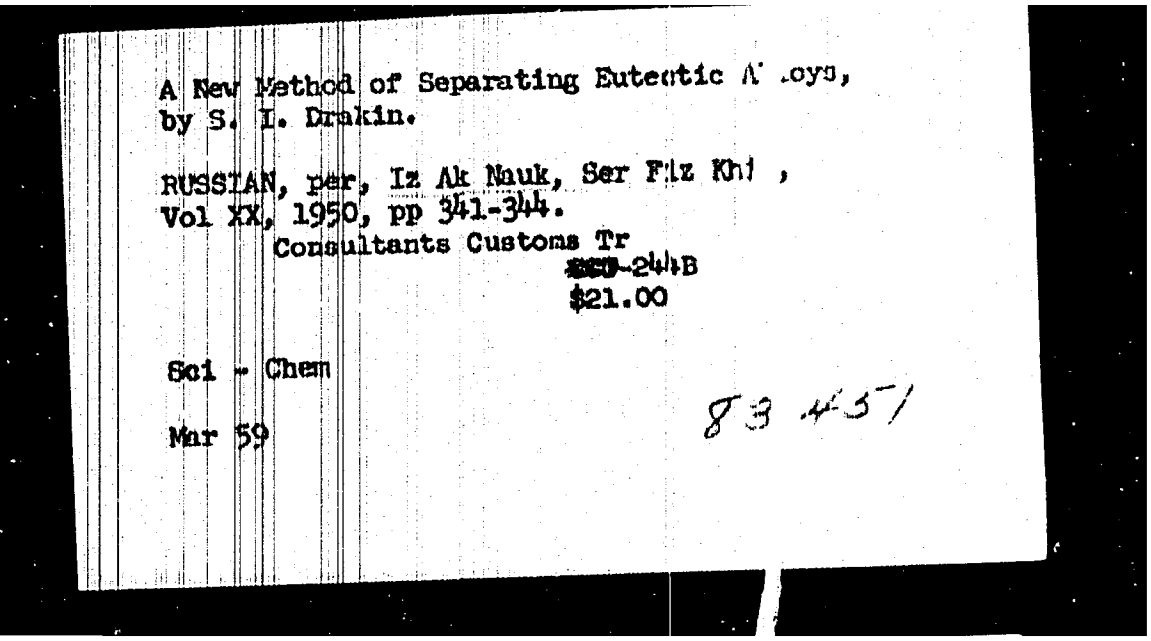

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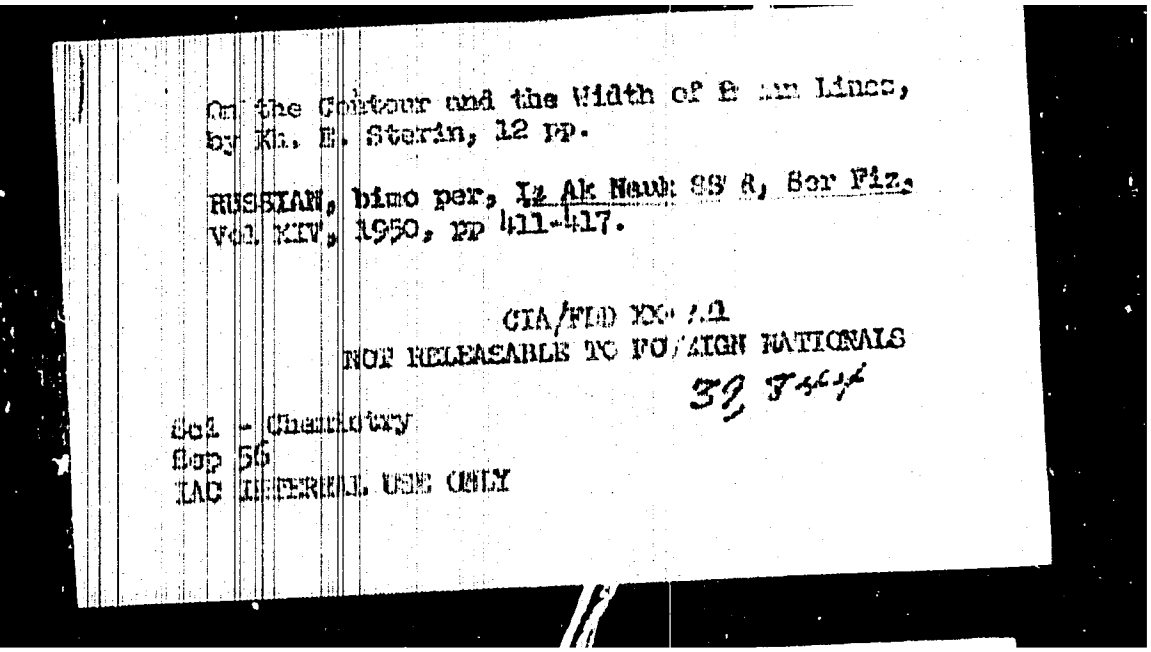

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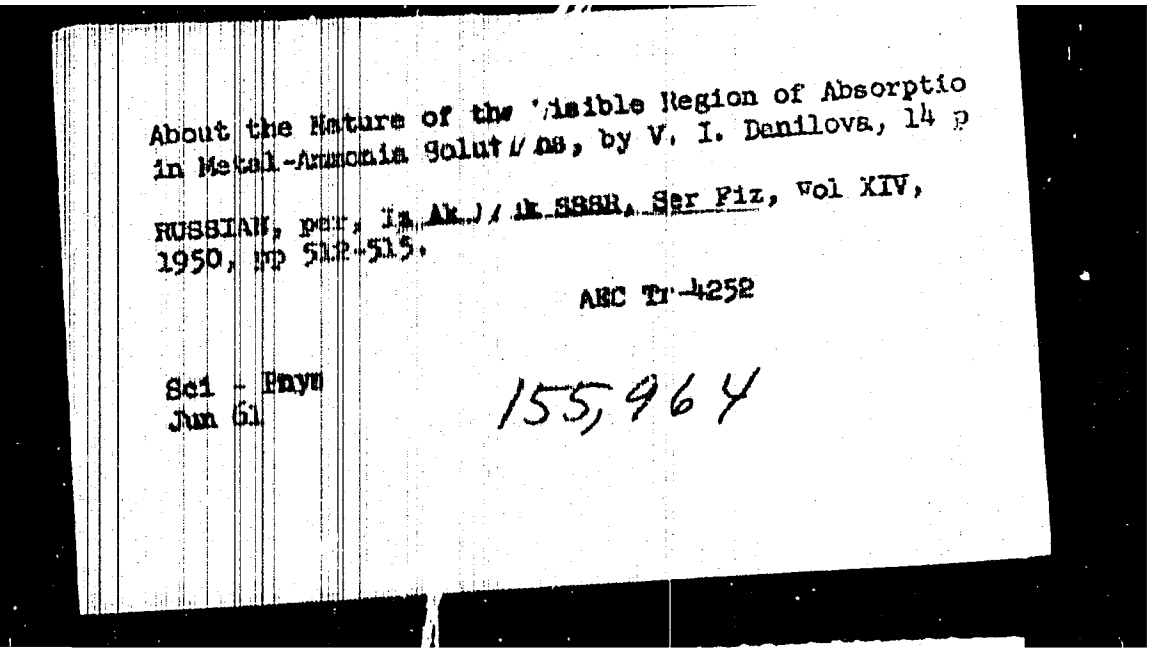

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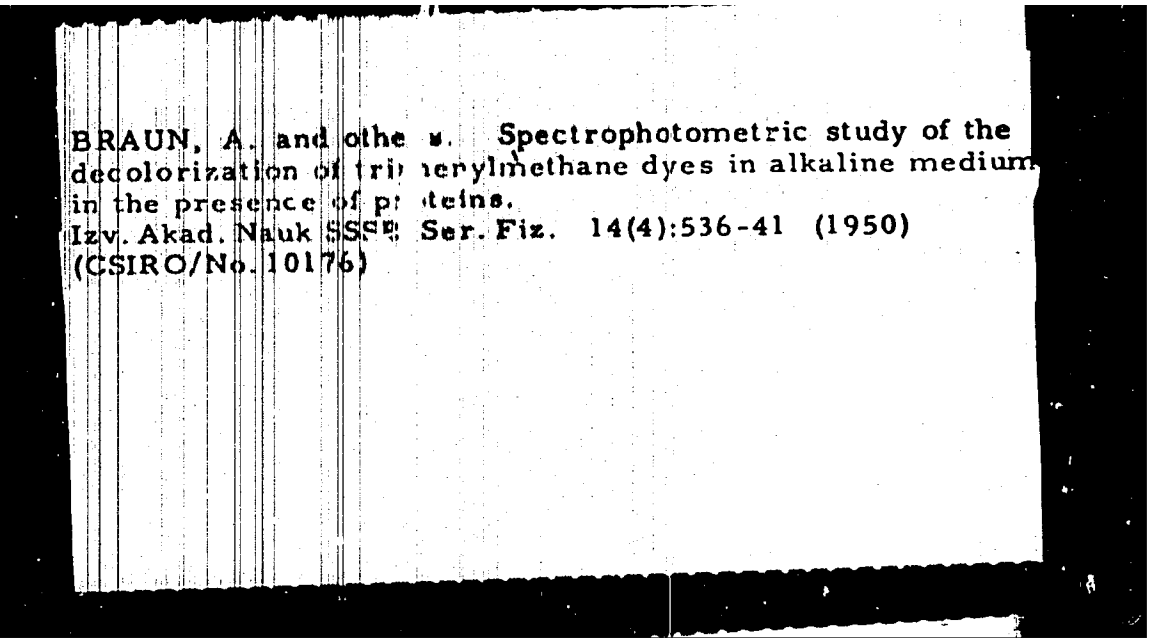

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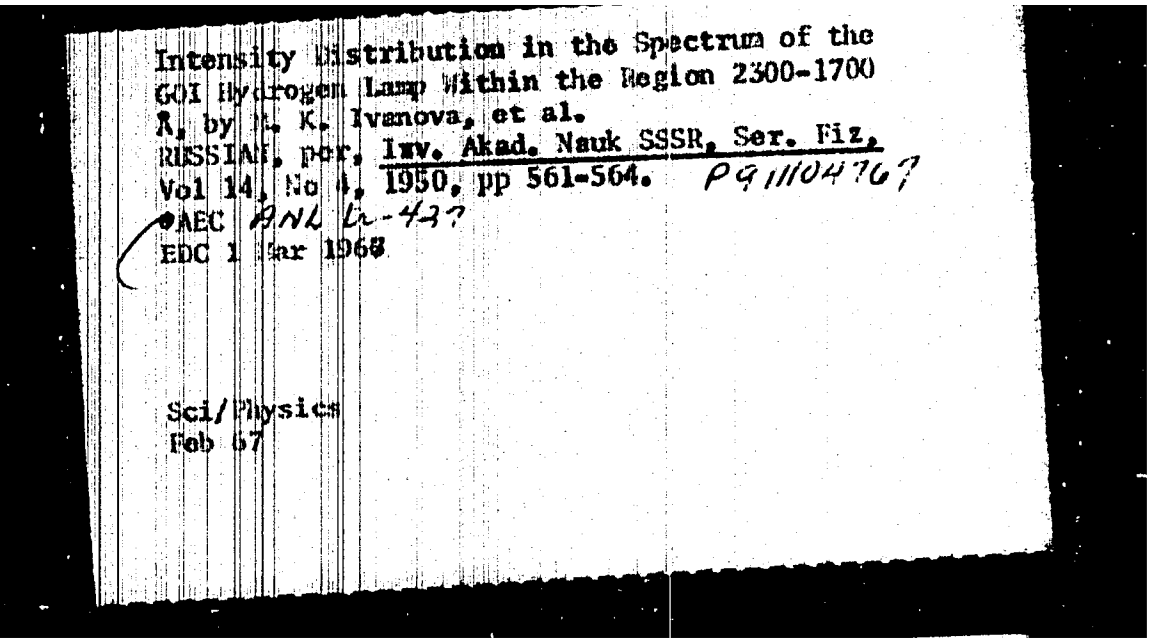

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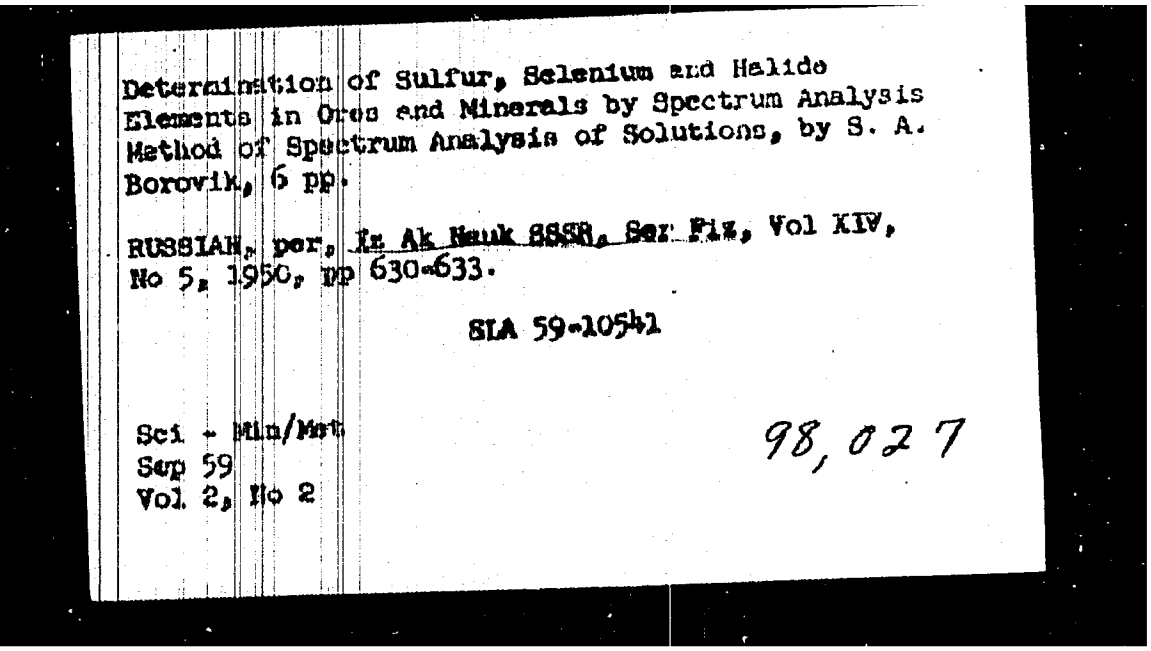

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ATS RJ-1364
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130001-0

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Isaev, N. G.
ANALYSE QUANTITATIVE SPECTRALE LOCALE, tr. by M. B. Vinogradoff. 4 July 60 [8]p. CIA Trans. no. R 974 (text in French).
Order from OTS or SLA $1.10 61-23788

Trans. in French of Akad[emiya] Nauk SSSR. Izvest-[iya Seriya Fizicheskaya] 1950, v. 14, no. 5, p. 689-692.

DESCRIPTORS: *Spectrographic analysis, *Spectrographic cameras.

An improved spectrographic instrument is described, in which the image of a spark exploding between the polished surface of the sample and a plate mounted parallel to the sample's surface is focused on the slit of the spectrograph by the condenser, illuminating the collimator entirely.

(Physics--Spectroscopy, TT, v. 6, no. 7)

61-23788

I. Isaev, N. G.
II. CIA-tr-R974
III. Commissariat à l'Energie Atomique (France)

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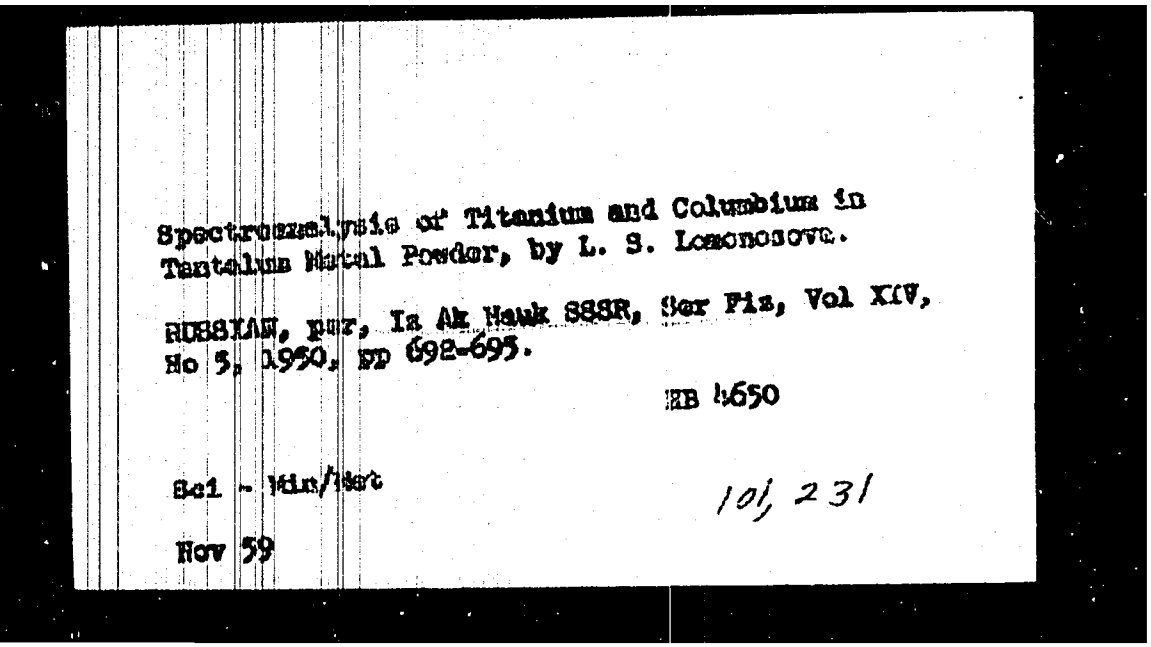

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HB 4650

Sel - Min/Met

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Reabsorption of Light in Gas Discharge and Some of Its Applications, by S. E. Frish, 6 pp.
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AEC Tr 1499

Scientific - Physics, atoms, mercury

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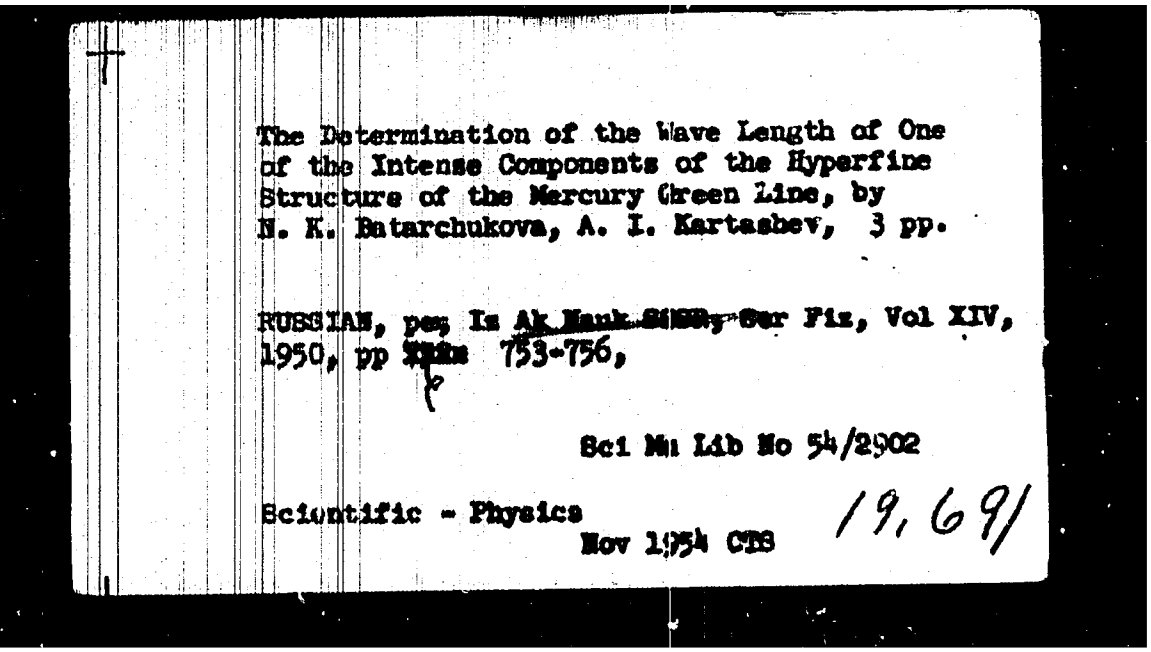

The Determination of the Wave Length of One of the Intense Components of the Hyperfine Structure of the Mercury Green Line, by N. K. Batarchukova, A. I. Kartashev, 3 pp.

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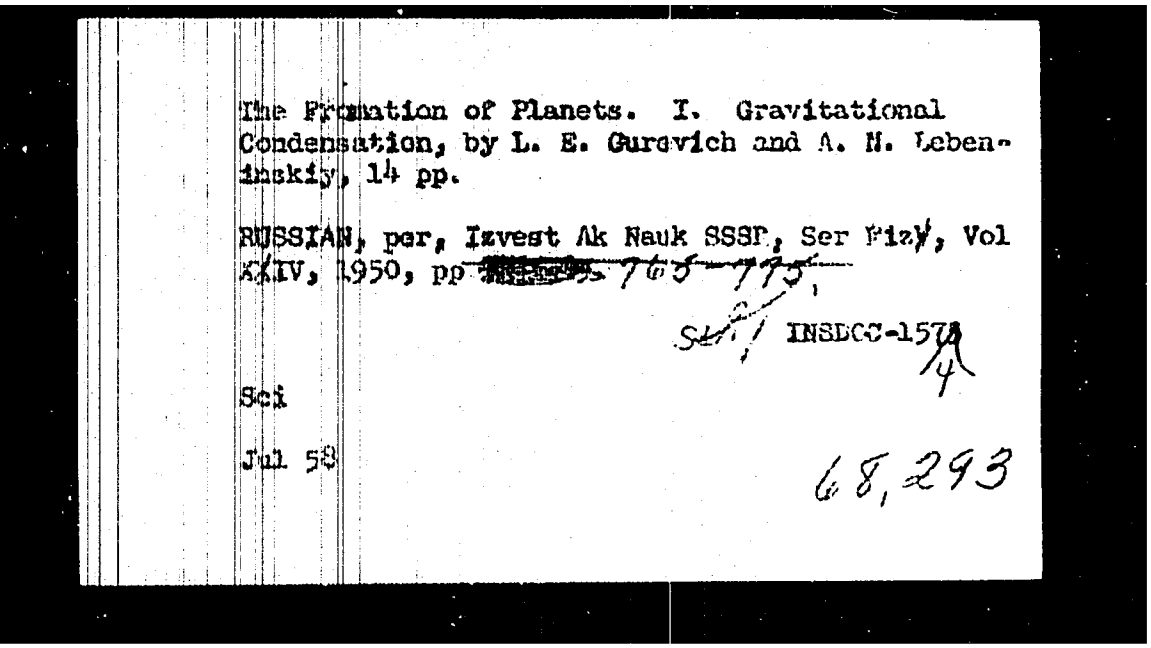

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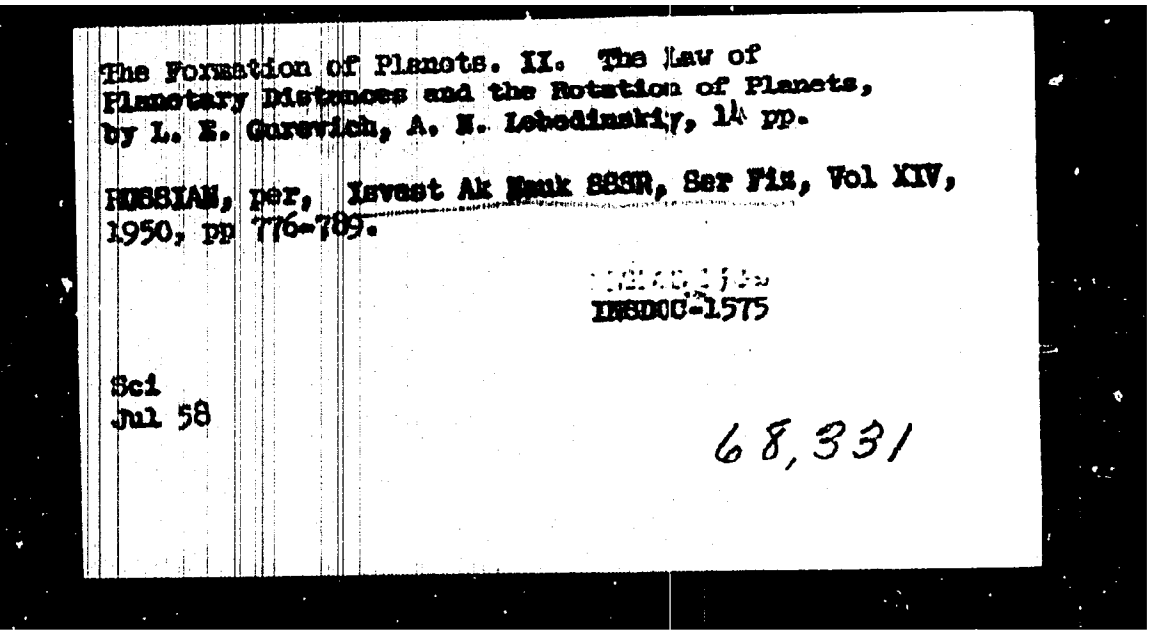

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Study of the "Head Wave" Developed at the Interface Between Two Elastic Fluids, by L. P. Zaitsev, M. V. Zvolinskiy, 28 pp.

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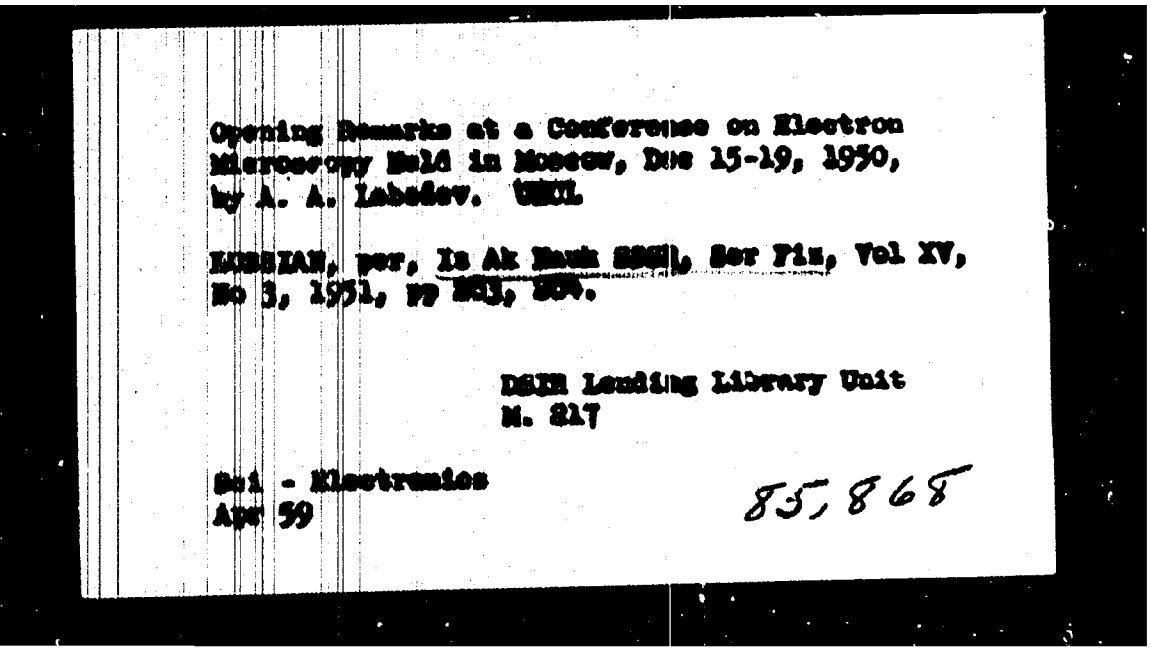

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The Use of an Aluminum Wedge for Quantitativd Analysis With the Aid of a Curved Crystal X-Ray Spectrograph, by I. G. Dem'ianikov, 6 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XV, No 2, 1951, pp 239-242.

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Structure Investigations of Certain Compounds of the Rare Earth Elements, by V. I. Iveronova, V. P. Taranova and M. M. Umanskii.

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Jun 52 CTS DRX

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Investigation of the Structure of Crystallites in Nondeformed Metals, by B. M. Rovinski, L.N. Rybakova, 9 pp. UNCLASSIFIED

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Navy Tr 892/NRL 454

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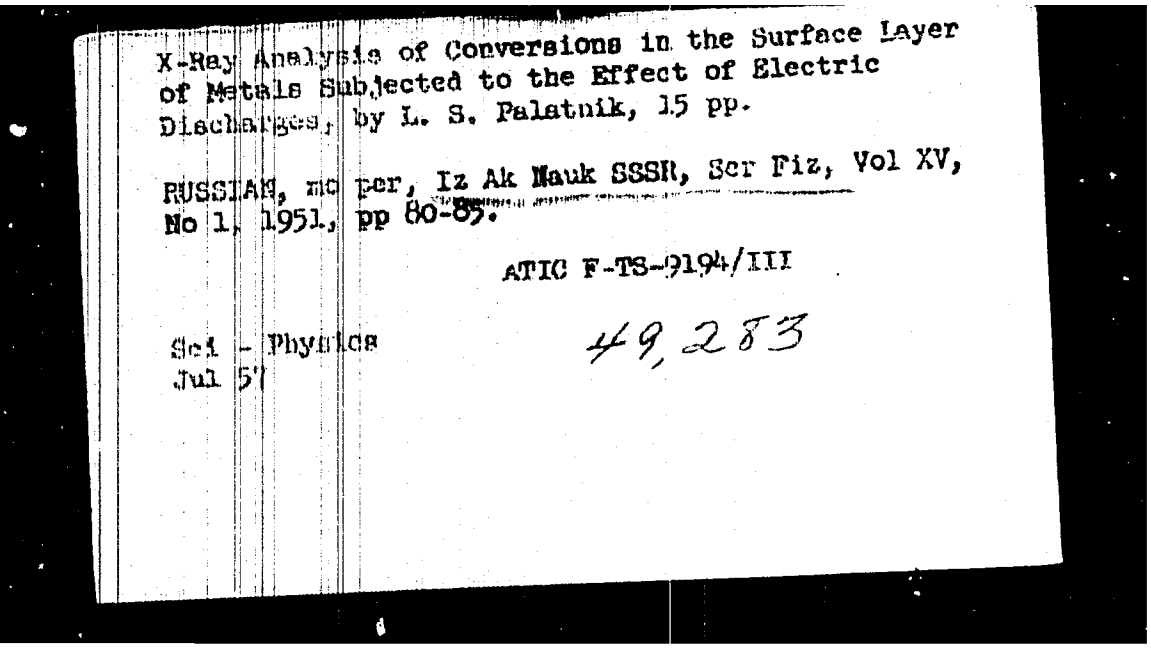

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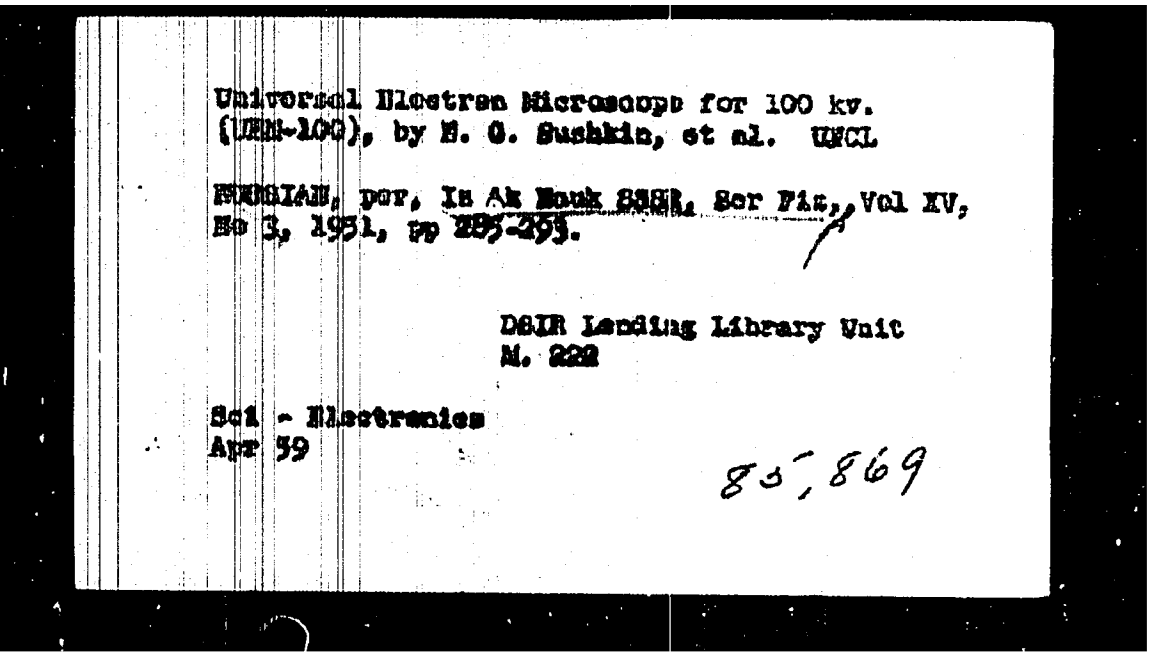

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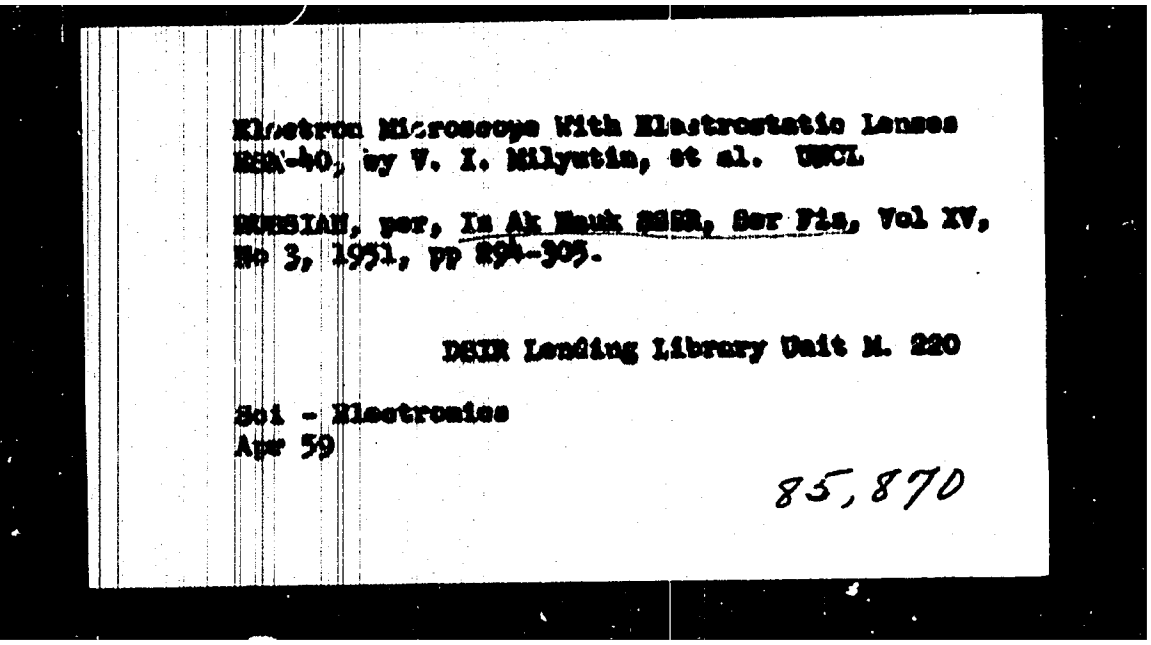

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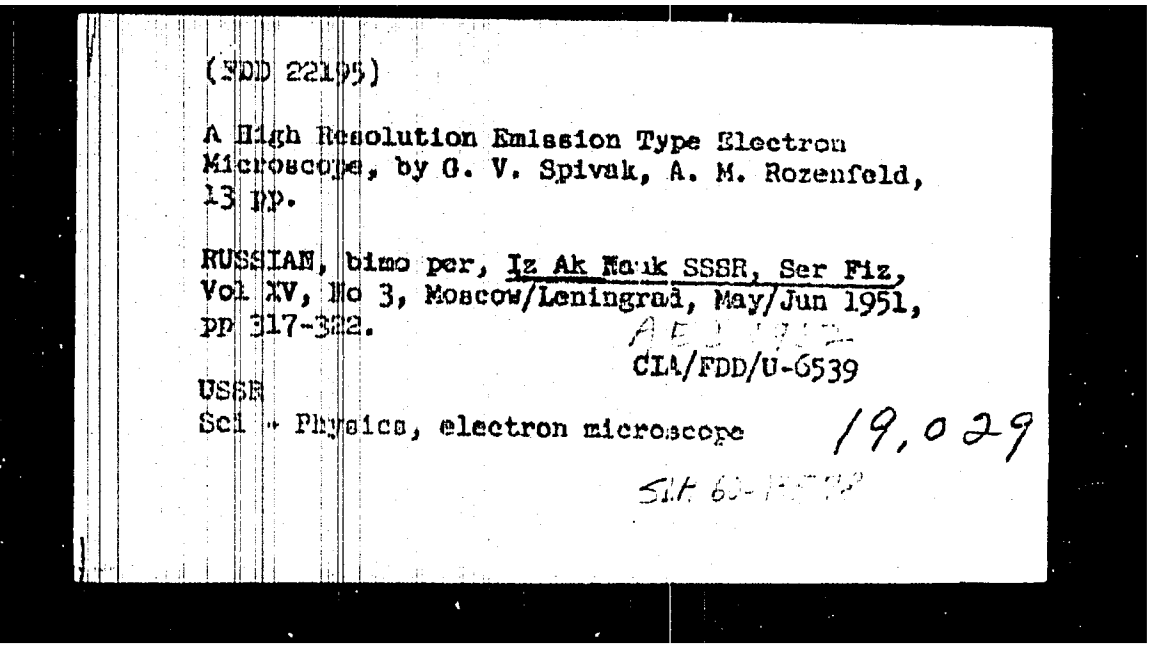

(FDD 22195)

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CIA/FDD/U-6539

USSR
Sci - Physics, electron microscope

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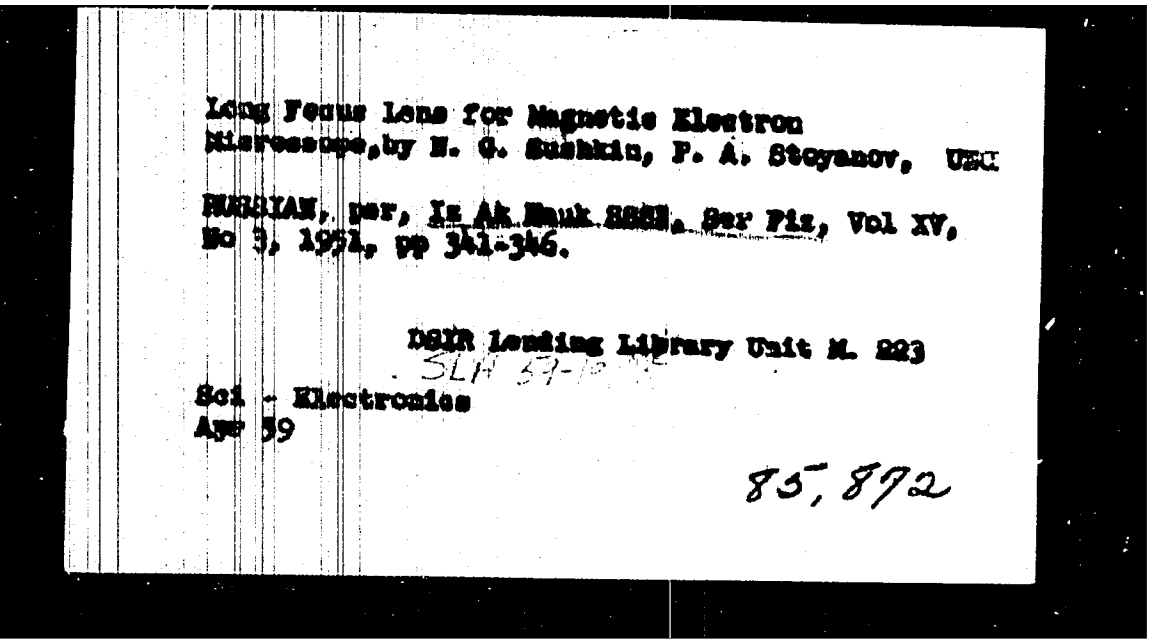

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SLH 57-12

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Electron Microscope Study of Deformed Aluminum Crystals, by M. V. Yakutovich, E. S. Yakovleva, R. M. Lerinan, and N. N. Bulinov, 9 pp.

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~~Scientific - Electronics, microscope, minerals, aluminum, crystals, metals~~

CIA/FDD/X-750

Scientific - Electronics, microscope, minerals, aluminum, crystals, metals

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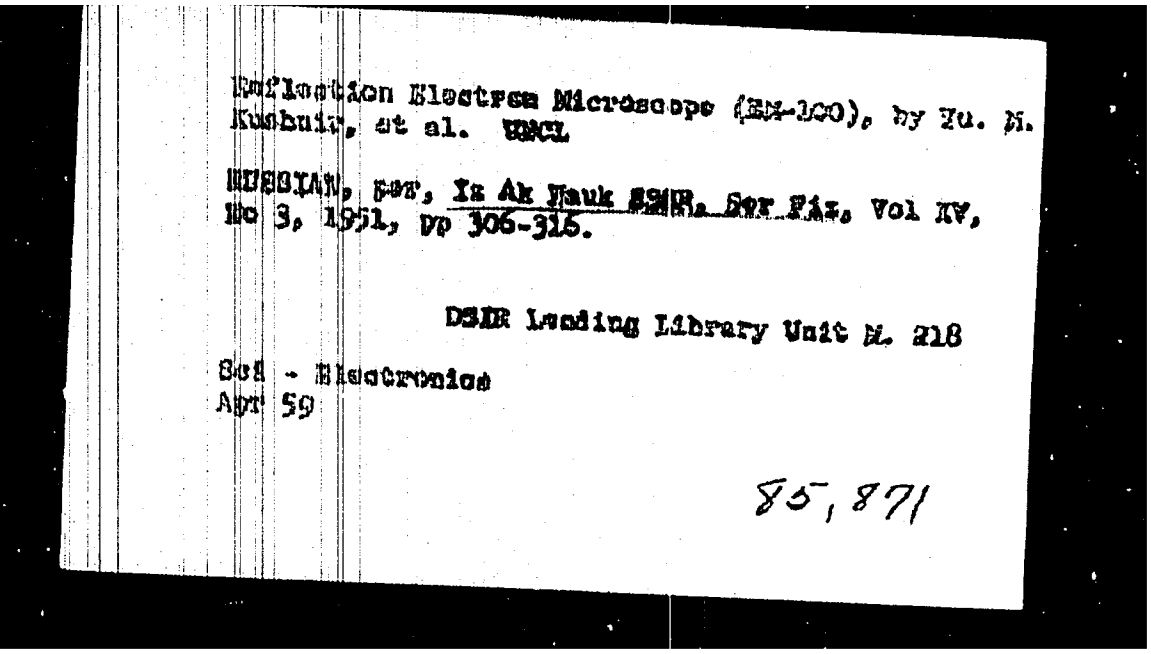

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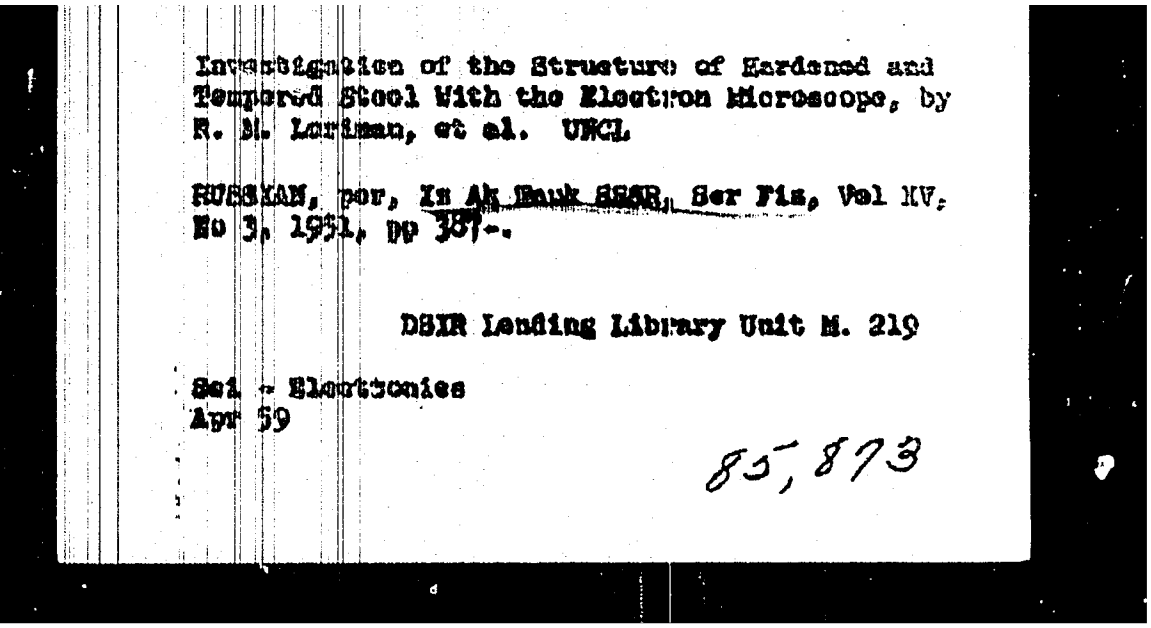

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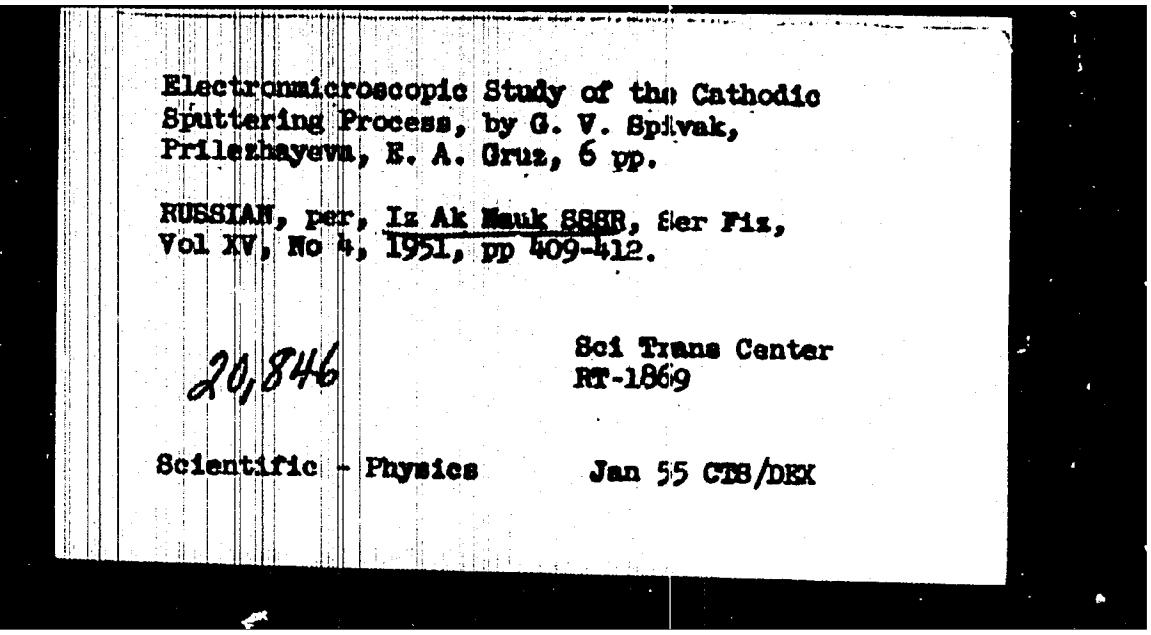

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Electron Microscope Investigation of the Surface of Electrodes Subjected to the Action of a Glow Discharge, by A. M. Shemayev, A. E. Primer, I. I. Silvestrovich, 6 pp.

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ATIC F-TS-8278

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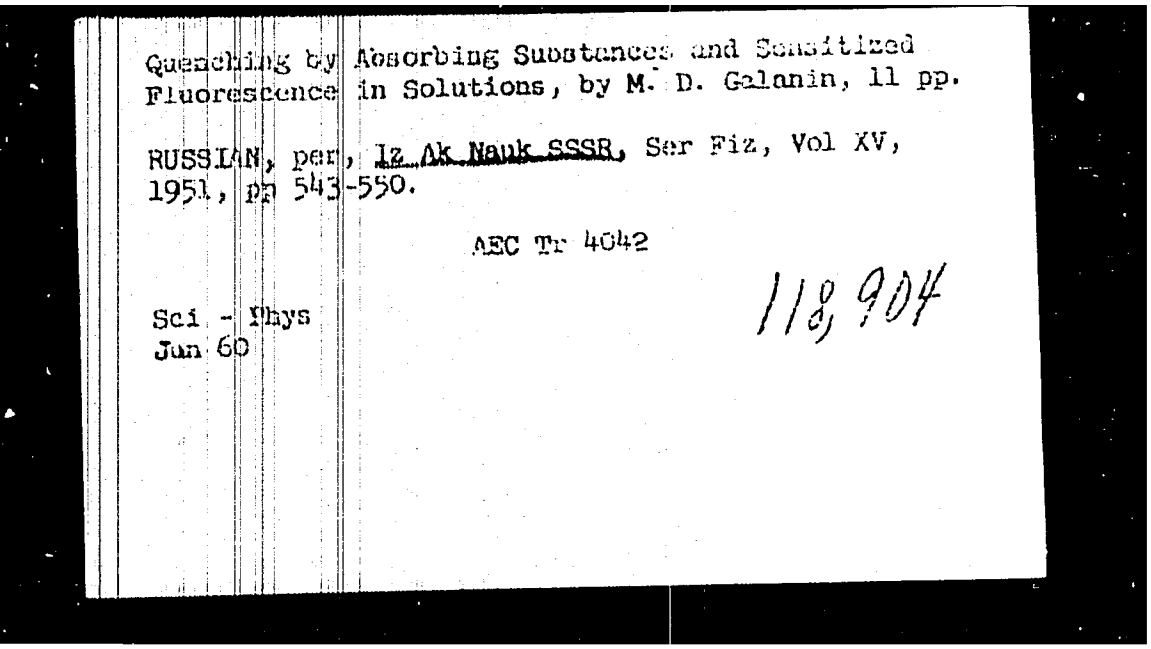

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AEC Tr 4042

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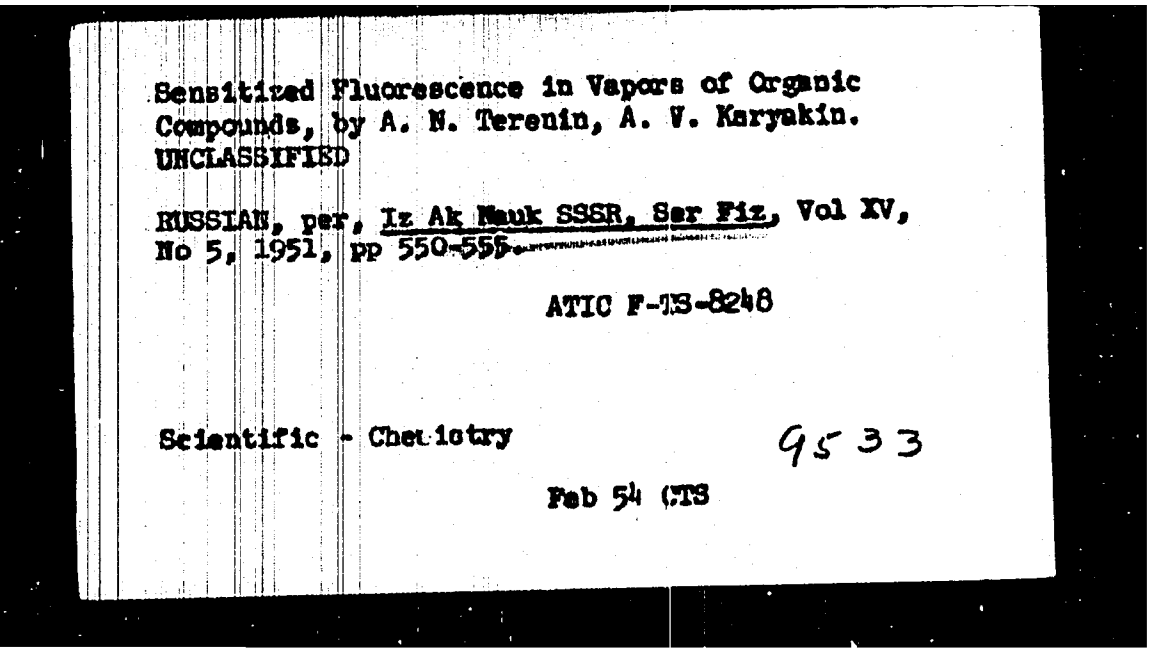

Sensitized Fluorescence in Vapors of Organic Compounds, by A. N. Terenin, A. V. Karyakin.
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Scientific - Chemistry

9533

Feb 54 CTS

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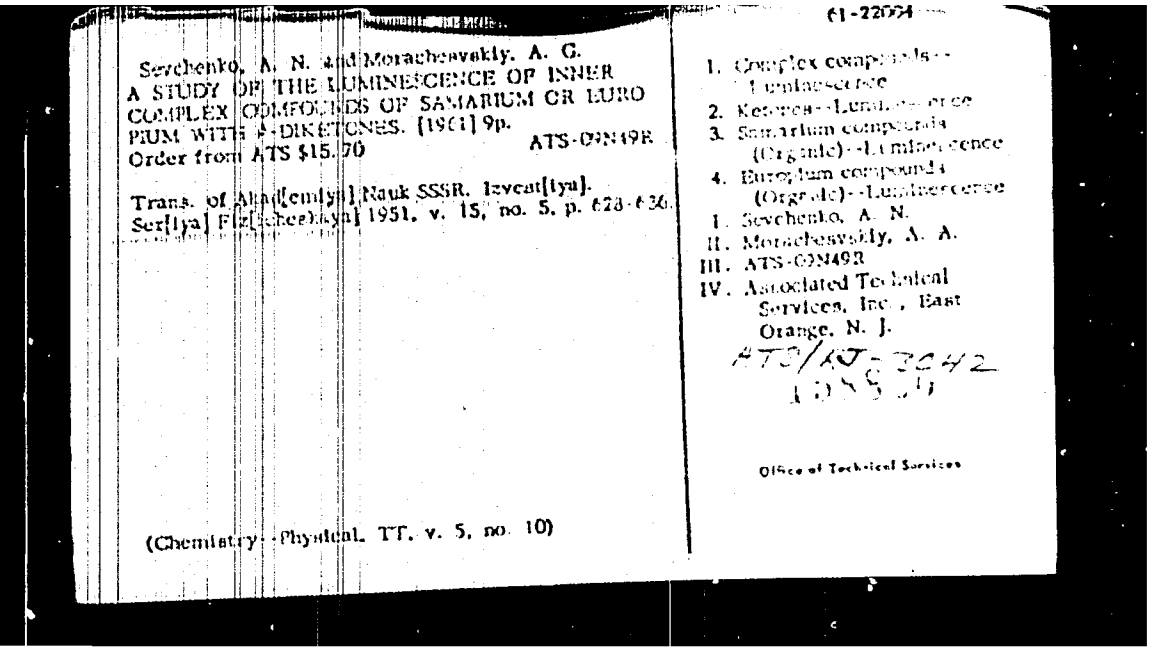

Sevchenko, A. N. and Morachevskiy, A. G.
A STUDY OF THE LUMINESCENCE OF INNER COMPLEX COMPOUNDS OF SAMARIUM OR EUROPIUM WITH β-DIKETONES. [1951] 9p.
Order from ATS $15.70 ATS-09N49R

Trans. of Akad[emiya] Nauk SSSR. Izvest[iya]. Ser[iya] Fiz[icheskaya] 1951, v. 15, no. 5, p. 628-636.

(Chemistry--Physical, TT, v. 5, no. 10)

61-22004

1. Complex compounds--Luminescence
2. Rare earths--Luminescence
3. Samarium compounds (Organic)--Luminescence
4. Europium compounds (Organic)--Luminescence
I. Sevchenko, A. N.
II. Morachevskiy, A. A.
III. ATS-09N49R
IV. Associated Technical Services, Inc., East Orange, N. J.

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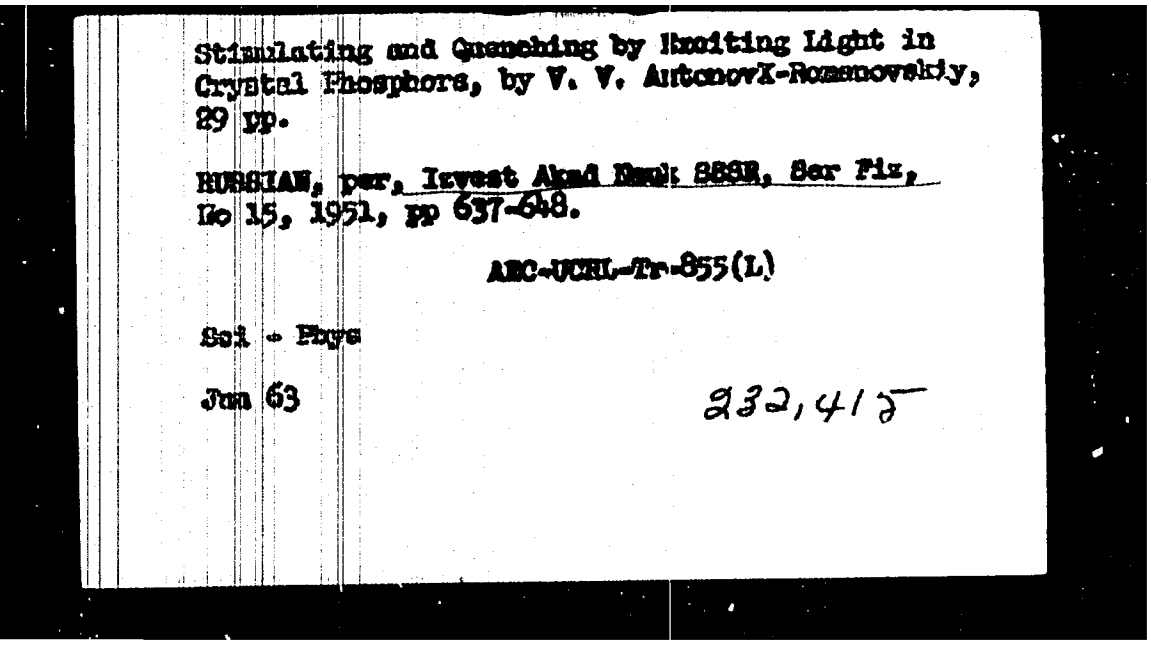

Stimulating and Quenching by Emitting Light in Crystal Phosphors, by V. V. Antonov-Romanovskiy, 29 pp.

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AEC-UCRL-Tr-855(L)

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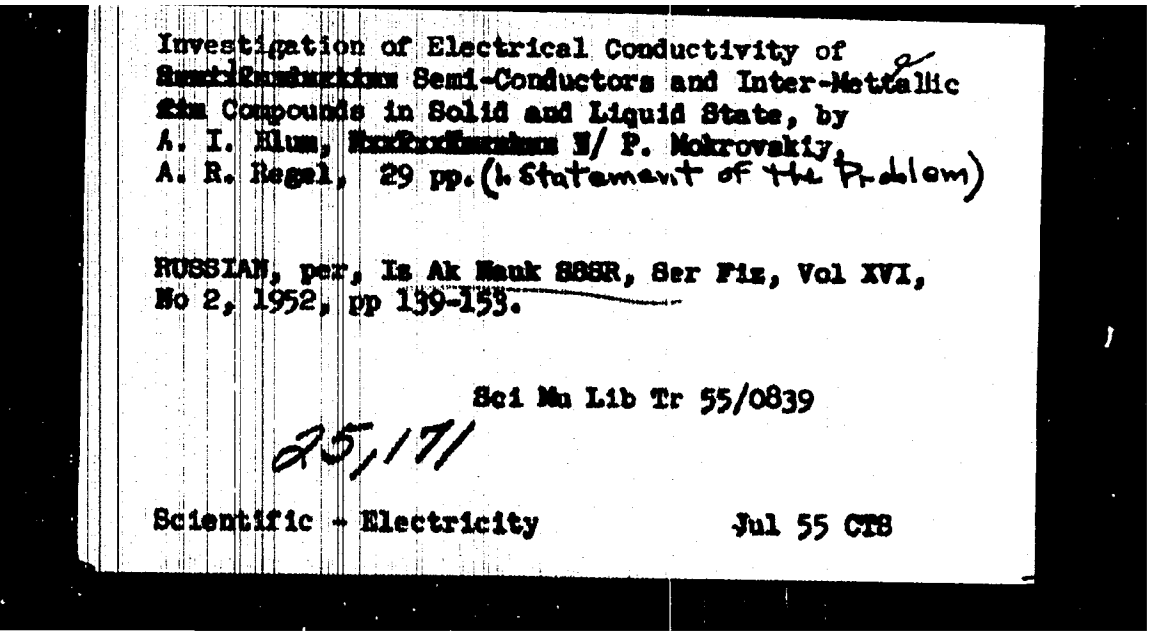

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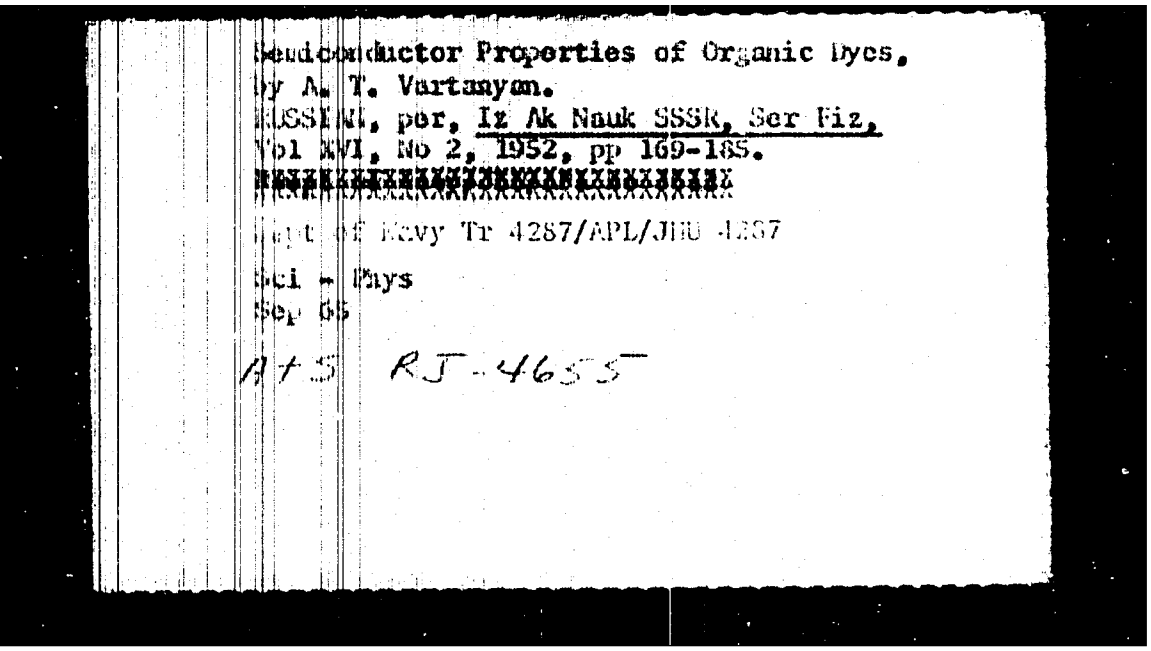

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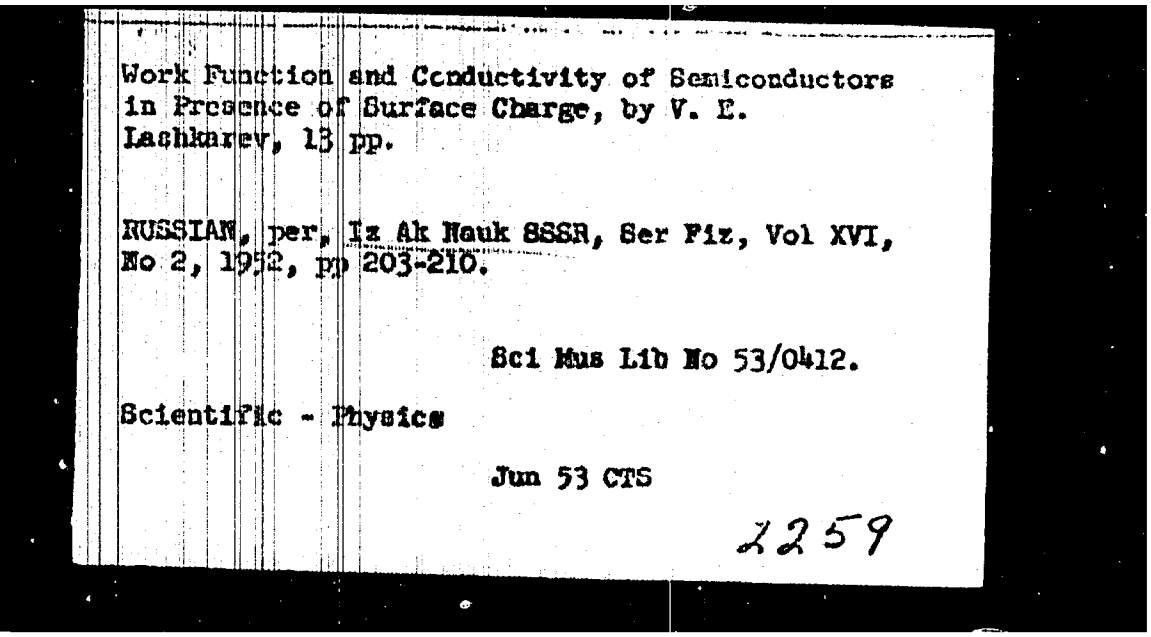

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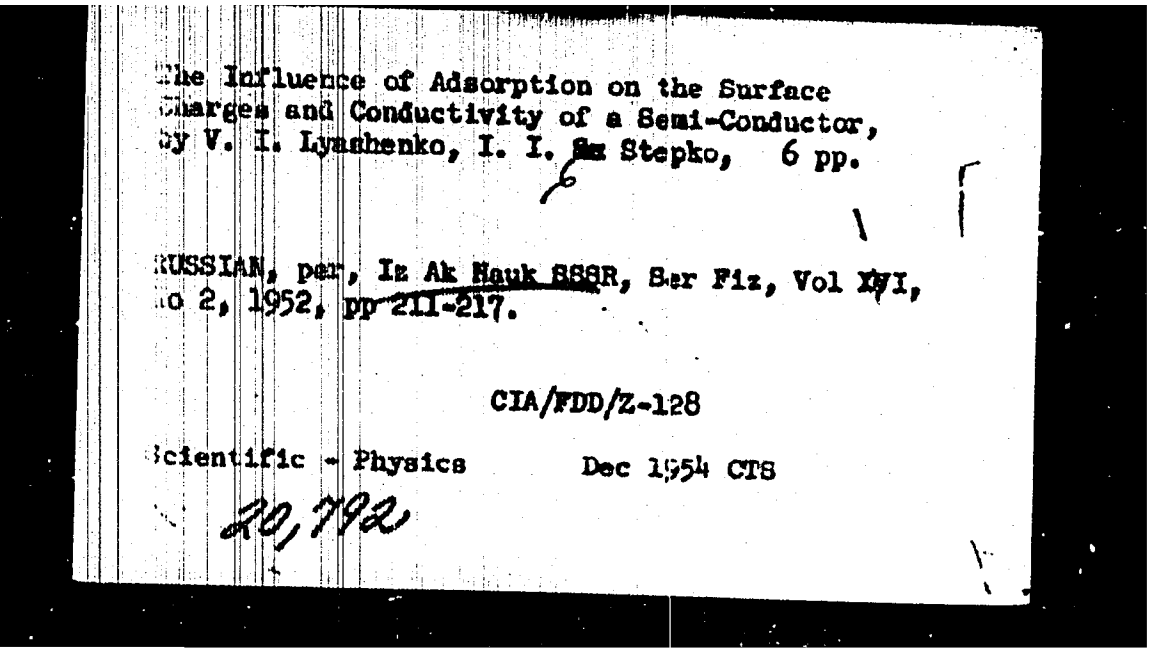

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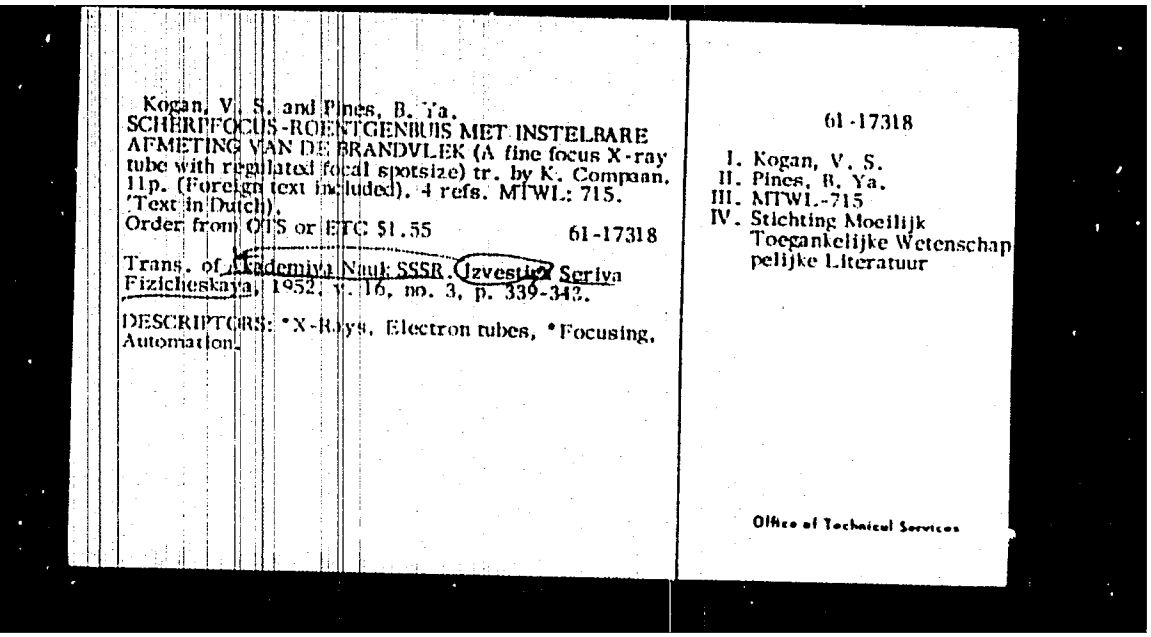

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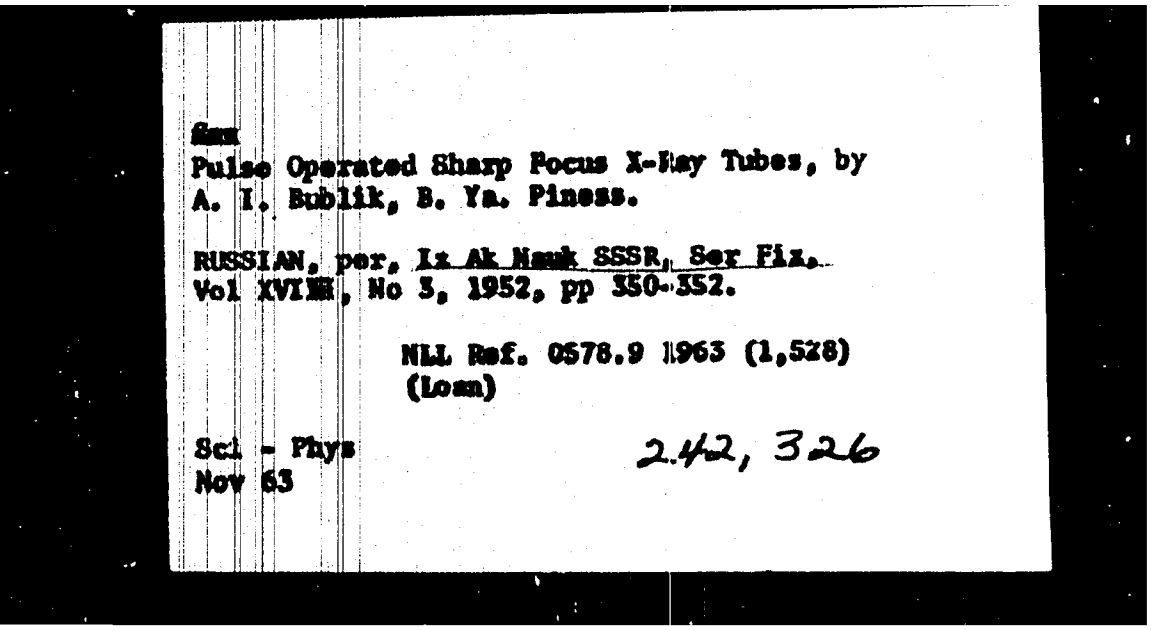

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